

TRANS WORLD COMMUNICATIONS
CONDENSED OPERATING INSTRUCTIONS
FOR TW100 TRANSCEIVER

(Numbers in parentheses correspond to those in the diagrams).

I. INSTALLATION

- A. Apply proper ac or dc voltage to the appropriate connector (1 or 2).
- B. Connect the antenna to (3).
- C. Accessories, including the RTTY terminal, are connected to (4). See manual.
- D. Attach the microphone to (5), headphones to (6), and morse code key to (7) as applicable.

II. BASIC OPERATION (Non-ARQ mode)

- A. Flip POWER switch (8) to on. LED will light.
- B. Switch SQUELCH control (9) to off; switch on to eliminate background noise. Switch SPEAKER on (22).
- C. Select desired type of operation (USB, LSB, AM, etc.) with MODE switches (10).
- D. Set volume to desired level with AUDIO GAIN (11).

III. FREQUENCY SELECTION

- A. To select a channel, enter "C" followed by a two-digit channel number (12).
- B. Channel frequency is displayed by entering "F" (12).
- C. To "free tune" any frequency, enter "C, 0, 0," then the desired frequency, then "F" (12).
- D. Up/Down tuning is achieved by holding down either the UP or DOWN buttons (13). Enter "F" when tuning is completed (12).
- E. Receiver only fine tuning is available by using either the CLARIFIER or FINE TUNE (High Stability option) control (14).

IV. SPECIAL FEATURES

- A. **Scan Mode:** Select the channel one greater than the highest number you wish to scan (12). While holding down "F," enter "C." Press SCAN button (15) TWICE to begin scan, once again to stop.
- B. **Selective Calling** (optional feature): Turn CLARIFIER off or FINE TUNE to "0" (14) and set switch (16) to "SC." Press SC button (17), then enter 3-digit code less than 256 (12). Press CALL button (18) to initiate call, once again to stop.
- C. **Transcall** (optional feature): Follow instructions in "B" above, but set switch (16) to "TC" after the 3-digit code has been entered. Press CALL button (18) to initiate call. To stop, press CALL button (18) for 2 seconds. To exit Transcall, set switch (16) to "SC," then enter "F" (12). Display will clear within 3 seconds.
- D. **Noise Blanker** (optional feature) and Receiver Attenuator: Each is controlled by switches (19) and (20) respectively. See manual.
- F. Antenna Tuning Unit is activated by pressing ATU button (21). See manual.

NOTES

1. See Operator's manual for information on programming channel frequencies and half-duplex operation.
2. If display is garbled or radio fails to respond to commands, cycle POWER switch (8) off and on.

TRANSWORLD™

